

Hingtgen, Robert J

From: Bennett, Jim
Sent: Thursday, February 13, 2014 1:22 PM
To: Howard Cook
Cc: Hingtgen, Robert J; Donna Tisdale; Mark Ostrander
Subject: RE: Soitec PEIR - Additional Information on Construction Water

Good Afternoon Mr. Cook,

We are in receipt of this e-mail. We will enter them into the record as public comments. PDS will provide responses to these comments as well after the public review period has ended.

Thanks again,

Jim Bennett, P.G. #7707, CHG#854
Groundwater Geologist

County of San Diego

Planning & Development Services
5510 Overland Avenue, Suite 110, San Diego, CA 92123
Phone: 858-694-3820 Fax: 858-694-3373

From: Howard Cook [<mailto:howwcook@yahoo.com>]
Sent: Thursday, February 13, 2014 12:47 PM
To: Bennett, Jim
Cc: Hingtgen, Robert J; Donna Tisdale; Mark Ostrander; Jacob, Dianne
Subject: Fw: Soitec PEIR - Additional Information on Construction Water

Jim and Robert,

On Wednesday, February 12, 2014 4:05 PM, "Bennett, Jim" <Jim.Bennett@sdcounty.ca.gov> wrote:
Good Afternoon Mr. Cook,

The attached information is being provided per our discussion we had at the Boulevard Planning Group meeting last Thursday night regarding the construction water demand assumptions for the Rugged and Boulevard project sites. The two attached documents provide backup detail to the numbers that were included in the PEIR. These water demand estimates were prepared by AECOM, a consultant hired by Soitec. The Department of Planning & Development Services will provide responses to your comments including those you provided me last Thursday after the public review period has ended.

Thank you,

Jim Bennett, P.G. #7707, CHG#854
Groundwater Geologist

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Thank you for following through and sending me the consultant construction water work sheets.

They truly point out why the county should hire a truly independent engineering firm (not associated with Soitec) to find out the true comprehensive construction water costs. Why should we the residents pay for such an analysis? DPLU may have the expertise in house to do this, but it will take time and money? After all our aquifers and citizens ability to live here are at stake.

A few comments on the consultant work sheets - AECOM used the same standard ground moisture levels used at ECO, but if you read page two of the SDG&E 10-01-13 change order you see all the reasons why the consultants and engineering firms were over 300% wrong. There must be a "lessons learned analysis" of these actual construction experiences, with electrical and gen-tie construction water use. Some other brief comments on the missing water estimate items, which the county or someone needs to respond on:

- Roads - There will be miles of roads inside these project sites, road building with culvert and drainage construction, very water intensive, how many miles of roads, number of culverts and drainage items are there? Must be analyzed and translated to gallonage estimates. Also non road treatment with material laid down adjacent and around the trackers and how many acres of this and gallonage estimate?
- Underground electric - how many feet and how many gallons to construct? what was experience at ECO and Boulevard?
- Substation Construction at each site. - What was experience at ECO and Boulevard?
- Operations and Maintenance buildings - How many square feet and water estimate needed?
- Fencing - How many miles of fencing and gate and entrance areas are planned? and what is water estimate?
- Ten Acre Cement and rock crushing plant at Rugged - How many units of cement will be produced and water needs? Water washing of equipment and trucks is a big water item, how many trucks visits and washings etc. and gallonage estimates for each.
- 14 acre cement and rock crushing plant for Tule and Soitec Joint Tie line uses.
- Tie Lines between all sites - How many miles? What is the gallonage estimate per mile? use ECO/ Boulevard experience?

Please let myself and Donna Tisdale and myself know how and to what extent you will analyze these and other construction water estimate items? Please also include this E-mail in your administrative record.

Thanks again for your prompt reply to previous questions raised

Howard W Cook